

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

LISTING OF CLAIMS:

1. (Withdrawn) Air conditioning equipment comprising:
a heat exchanger that exchanges heat between refrigerant of a refrigeration cycle and air;
a fan that fans air to the heat exchanger;
an air duct in which the fan is installed and through which an acoustic wave propagates; and
a plurality of small holes that blows a jet to the air duct, or sucks a jet from the air duct according to a pressure difference between a blow side and a suction side of the fan.
2. (Withdrawn) The air conditioning equipment according to claim 1, wherein the blow side and the suction side of the fan is separated by a solid wall, and
wherein the plurality of small holes is provided on the solid wall.
3. (Withdrawn) The air conditioning equipment according to claim 2, wherein the air conditioning equipment is a ceiling cassette type air conditioner, and
wherein the plurality of small holes is provided on a decorative panel.

4. (Withdrawn) The air conditioning equipment according to claim 2, wherein the air conditioning equipment is a ceiling cassette type air conditioner, and wherein the plurality of small holes is provided on a guide of the fan.

5. (Withdrawn) The air conditioning equipment according to claim 1, comprising:

a first air duct in which the fan and the heat exchanger are installed;

a plurality of small holes provided on at least one of any wall of a position on the blow side of the fan and a wall of any position on the suction side of the fan; and

a second air duct linking one of the plurality of small holes and another of the plurality of small holes or linking the plurality of small holes and an opposite side to the suction side or the blow side of the fan on which the plurality of small holes is provided.

6. (Withdrawn) The air conditioning equipment according to claim 1, comprising:

a first air duct in which the fan and the heat exchanger are installed;

a large number of small holes provided on one of a wall of any position of the blow side of the fan and a wall of any position of the suction side of the fan;

a small number of big diameter holes provided on another of the wall of the any position on the blow side of the fan and the wall of the any position on the suction side of the fan; and

a second air duct linking the large number of small holes and the small number of big diameter holes.

7. (Withdrawn) The air conditioning equipment according to claim 6, comprising:

a plurality of small ducts installed on the blow side of the fan, the plurality of small ducts including the large number of small holes.

8. (Withdrawn) The air conditioning equipment according to claim 5, wherein the plurality of small holes or the large number of small holes are provided in a position near the fan.

9. (Withdrawn) The air conditioning equipment according to claim 5 or 6, wherein the second air duct is installed outside the first air duct.

10. (Withdrawn) The air conditioning equipment according to claim 5, wherein the second air duct is installed inside the first air duct.

11. (Withdrawn) The air conditioning equipment according to claim 5 or 6, wherein the air conditioning equipment is an air conditioning outdoor unit,

wherein the air conditioning outdoor unit includes a compressor in a housing, and

wherein an acoustic wave from the compressor propagates through the air duct.

12. (Withdrawn) The air conditioning equipment according to claim 1, 2, 5 or 6, wherein a diameter of each of the small holes is up to 10mm.

13. (Withdrawn) The air conditioning equipment according to claim 1, 2, 5 or 6, wherein an open area ratio of the small holes is up to 10% where the open area ratio is a ratio of a total cross-sectional area of the small holes to an area of the wall of the air duct.

14. - 26. (Canceled)

27. (Currently Amended) Pressure pulsation reduction equipment of refrigeration cycle equipment, comprising:

a refrigeration cycle including a compressor, which is connected to a pipe that is a flow-channel; and

a pressure pulsation reducer, which is installed on at least one of a high pressure side and a low pressure side of the compressor, the pressure pulsation reducer including:

a flow-channel separator with which separates the flow channel of the pipe into at least a first flow channel and a second flow channel; and

a plurality of small holes formed downstream of the area where the flow channels separate, and

wherein the flow-channel separator is formed open on one end and in contact with a flow-channel wall in the pipe on another end.

28. (Currently Amended) The pressure pulsation reduction equipment of refrigeration cycle equipment according to claim 27, comprising:

a pressure pulsation reducer, which is installed on at least one of a discharge side and a suction side of the compressor, the pressure pulsation reducer including:

a refrigerant flow-channel separator in a refrigerant flow-channel for a refrigerant of the pipe with which separates the refrigerant flow channel of the refrigerant pipe into at least a first refrigerant flow channel and a second refrigerant flow channel; and

a plurality of small holes formed downstream of the area where the refrigerant flow channels separate, and

wherein the refrigerant flow-channel separator is formed open on one end and in contact with a refrigerant flow channel wall in the refrigerant pipe on another end.

29. (Currently Amended) Pressure pulsation reduction equipment of refrigeration cycle equipment, comprising:

a refrigeration cycle including a compressor; and

a pressure pulsation reducer, which is installed in an oil separator that is incorporated with the compressor, the pressure pulsation reducer including:

a flow-channel separator with which separates a flow channel into at least a first flow channel and a second flow channel; and

a plurality of small holes forms the first flow channel and a nozzle forms the second flow channel, the nozzle being formed downstream of the plurality of holes,

and wherein the flow-channel separator is formed open on one end and in contact with an oil separator on another end.

30. (Canceled)

31. (Previously Presented) The pressure pulsation reduction equipment of refrigeration cycle equipment according to claim 27, 28, or 29, wherein a diameter of each small hole of the plurality of small holes is up to 10mm.

32. (Previously Presented) The pressure pulsation reduction equipment of refrigeration cycle equipment according to claim 27, 28, or 29, wherein an open area ratio of the plurality of small holes is up to 10% where the open area ratio is a ratio of a total cross-sectional area of the plurality of small holes to an area of the flow-channel wall.

33. - 37. (Canceled)